

OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)



Page 1 of 1

|                  |                   |            |            |
|------------------|-------------------|------------|------------|
| Atty. Docket No. | 02481-1734        | Serial No. | 09/762,893 |
| Applicants       | Schindler et al.  |            |            |
| Filing Date      | February 13, 2001 | Group:     | 1624       |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                            |
|-----------------------|--|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |                       |
|--------------------------|--|-----------------|------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |   |
|--|---|
| RVR  | Abstract for Japanese Patent No. 06192252, Ito Yoichi, "Pyrazine Derivative and Herbicide", Patent Abstracts of Japan (July 12, 1994).  |
| RVR  | Abstract for EP Patent No. EP0136976, Seiler Alfred et al., "Use of Phenyl Pyrimidines as Plant Regulators", esp@cenet database (April 10, 1985).   |
| RVR  | Abstract for German Patent No. DE 19744027 A1, Schindler et al., "New Pyrazolo(3,4-b)pyridine Derivatives Useful as cGMP Agonists", Derwent WPI database (April 8, 1999).   |
| RVR  | Abstract for German Patent No. DE 4034762 A, Braun et al., "Pyridyl Pyrimidine Derivs. - are Fungicides for Plant Protection and for Protecting and Preserving Industrial Materials", Derwent WPI database (May 7, 1992).                           |
| RVR  | Abstract for German Patent No. DE 19756388 A, Schindler et al., "New 2-aryl-4-amino-6,7-dimethoxy-quinazoline Derivatives Useful as Guanylate Cyclase Activators for Treating Cardiovascular Diseases, etc.", Derwent WPI database (June 24, 1999). |
| Examiner   | RVR   |
| Date Considered  | 4-22-04   |
| *Examiner:   | Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.                      |

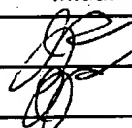
|               |   |
|---------------|---|
| Form PTO 1449 | Patent and Trademark Office - U.S. Department of Commerce |
|---------------|---|

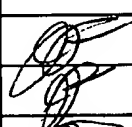

528 Re PCT/PTO 13 FEB 2001


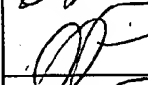
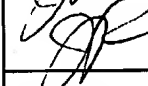
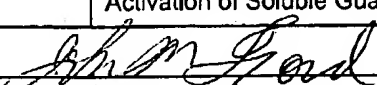
OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Page 1 of 5

|   |  |
|---|--|
| Atty. Docket No. 02481-1734-00          | Serial No. (unassigned) <b>09/762893</b>   |
| Applicants Schindler et al.             |  |
| Filing Date (herewith) <b>2-13-2001</b> | Group: <del>(unassigned)</del> <b>1624</b> |

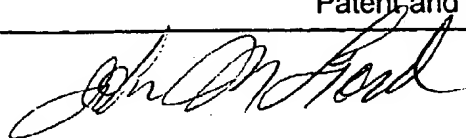
| U.S. PATENT DOCUMENTS   |                 |          |                  |       |           |                            |
|---|-----------------|----------|------------------|-------|-----------|----------------------------|
| Examiner Initial*   | Document Number | Date     | Name             | Class | Sub Class | Filing Date If Appropriate |
|  | 4,493,726       | 01/15/85 | K. Burdeska      | 544   | 334       |                            |
|   | 6,162,819       | 12/19/01 | Schindler et al. | 544   | 183       |                            |
|   |                 |          |                  |       |           |                            |
|   |                 |          |                  |       |           |                            |
|   |                 |          |                  |       |           |                            |

| FOREIGN PATENT DOCUMENTS  |                 |          |         |       |           |                       |
|---|-----------------|----------|---------|-------|-----------|-----------------------|
|   | Document Number | Date     | Country | Class | Sub Class | Translation Yes or No |
|  | EP 0 136 976 A2 | 04/10/85 | EPO     |       |           | Abstract              |
|   | WO 98/37079     | 08/27/98 | PCT     |       |           |                       |
|  | 06-192252       | 07/12/94 | Japan   |       |           | Abstract              |
|   | EP 0 908 456A1  | 04/14/99 | EPO     |       |           |                       |
|   | EP 0 555 478A1  | 08/18/93 | EPO     |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |  |
|---|--|
|    | Yu, S-M., et al., "Vasorelaxant Effect of Isoliquiritigenin, a Novel Soluble Guanylate Cyclase Activator, in Rat Aorta," <i>British Journal of Pharmacology</i> 114:1587-1594 (1995)           |
|    | Yu, S-M., et al., "Mechanism of Anti-Proliferation Caused by YC-1, an Indazole Derivative, in Cultured Rat A10 Vascular Smooth-Muscle Cells," <i>Biochem. J.</i> 306:787-792 (1995)            |
|    | Wu, Chin-Chung et al., "YC-1 Inhibited Human Platelet Aggregation Through NO-Independent Activation of Soluble Guanylate Cyclase," <i>British Journal of Pharmacology</i> 116:1973-1978 (1995) |
| Examiner   | Date Considered <b>7-12-2001</b>   |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce



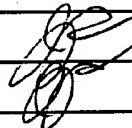
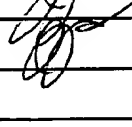
**7-12-2001**


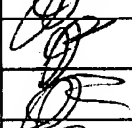
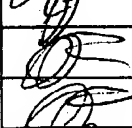
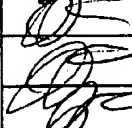

528 Re PCT/PTO 13 FEB 2001


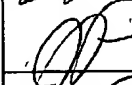
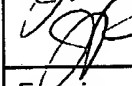
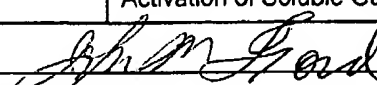
OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Page 1 of 5

|   |  |
|---|--|
| Atty. Docket No. 02481-1734-00          | Serial No. (unassigned) <b>09/762893</b>   |
| Applicants Schindler et al.             |  |
| Filing Date (herewith) <b>2-13-2001</b> | Group: <del>(unassigned)</del> <b>1624</b> |

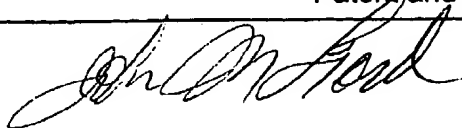
| U.S. PATENT DOCUMENTS   |                 |          |                  |       |           |                            |
|---|-----------------|----------|------------------|-------|-----------|----------------------------|
| Examiner Initial*   | Document Number | Date     | Name             | Class | Sub Class | Filing Date If Appropriate |
|  | 4,493,726       | 01/15/85 | K. Burdeska      | 544   | 334       |                            |
|  | 6,162,819       | 12/19/01 | Schindler et al. | 544   | 183       |                            |
|   |                 |          |                  |       |           |                            |
|   |                 |          |                  |       |           |                            |
|   |                 |          |                  |       |           |                            |

| FOREIGN PATENT DOCUMENTS  |                 |          |         |       |           |                       |
|---|-----------------|----------|---------|-------|-----------|-----------------------|
|   | Document Number | Date     | Country | Class | Sub Class | Translation Yes or No |
|  | EP 0 136 976 A2 | 04/10/85 | EPO     |       |           | Abstract              |
|  | WO 98/37079     | 08/27/98 | PCT     |       |           |                       |
|  | 06-192252       | 07/12/94 | Japan   |       |           | Abstract              |
|  | EP 0 908 456A1  | 04/14/99 | EPO     |       |           |                       |
|  | EP 0 555 478A1  | 08/18/93 | EPO     |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |  |
|---|--|
|    | Yu, S-M., et al., "Vasorelaxant Effect of Isoliquiritigenin, a Novel Soluble Guanylate Cyclase Activator, in Rat Aorta," <i>British Journal of Pharmacology</i> 114:1587-1594 (1995)           |
|    | Yu, S-M., et al., "Mechanism of Anti-Proliferation Caused by YC-1, an Indazole Derivative, in Cultured Rat A10 Vascular Smooth-Muscle Cells," <i>Biochem. J.</i> 306:787-792 (1995)            |
|    | Wu, Chin-Chung et al., "YC-1 Inhibited Human Platelet Aggregation Through NO-Independent Activation of Soluble Guanylate Cyclase," <i>British Journal of Pharmacology</i> 116:1973-1978 (1995) |
| Examiner   | Date Considered <b>7-12-2001</b>   |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce



**7-12-2001**

528 R d PCT/PTO 13 FEB 2001

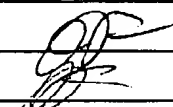
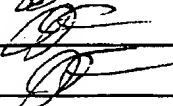
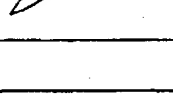
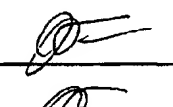
OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Page 2 of 5



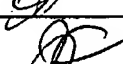
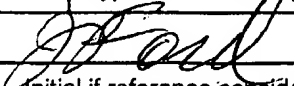
|   |  |
|---|--|
| Atty. Docket No. 02481-1734-00          | Serial No. (unassigned) <b>09/762893</b>   |
| Applicants Schindler et al.             |  |
| Filing Date (herewith) <b>2-13-2001</b> | Group: <del>(unassigned)</del> <b>1624</b> |

| U.S. PATENT DOCUMENTS |                 |      |      |       |           |                            |  |
|-----------------------|-----------------|------|------|-------|-----------|----------------------------|--|
| Examiner Initial*     | Document Number | Date | Name | Class | Sub Class | Filing Date if Appropriate |  |
|                       |                 |      |      |       |           |                            |  |
|                       |                 |      |      |       |           |                            |  |
|                       |                 |      |      |       |           |                            |  |
|                       |                 |      |      |       |           |                            |  |
|                       |                 |      |      |       |           |                            |  |

| FOREIGN PATENT DOCUMENTS  |                 |          |         |       |           |                       |  |
|---|-----------------|----------|---------|-------|-----------|-----------------------|--|
|   | Document Number | Date     | Country | Class | Sub Class | Translation Yes or No |  |
|  | EP 0 055 693    | 12/23/80 | EPO     |       |           |                       |  |
|  | DE 4034762 A1   | 05/07/92 | Germany |       |           | No                    |  |
|  | DE 19756388 A1  | 06/25/99 | Germany |       |           | No                    |  |
|  | DE 19744027 A1  | 04/08/99 | Germany |       |           | No                    |  |
|   |                 |          |         |       |           |                       |  |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)                       |   |
|--|---|
|           | Vesely, David L., "Phencyclidine Stimulates Guanylate Cyclase Activity," <i>Biochemical and Biophysical Research Communications</i> 88(4):1244-1248 (1979)                                    |
|           | Vesely, D.L., et al., "B Complex Vitamins Activate Rat Guanylate Cyclase and Increase Cyclic GMP Levels," <i>European Journal of Clinical Investigation</i> 15:258-262 (1985)                 |
|           | Pettibone, D.J., et al., "A Structurally Novel Stimulator of Guanylate Cyclase with Long-Lasting Hypotensive Activity in the Dog," <i>European Journal of Pharmacology</i> 116:307-312 (1985) |
| Examiner  | Date Considered <b>2-12-2001</b>  |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

528 Rec'd PCT/PTO 13 FEB 2001

OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Page 3 of 5

|   |  |
|---|--|
| Atty. Docket No. 02481-1734-00          | Serial No. (unassigned) <b>09/762893</b>   |
| Applicants Schindler et al.             |  |
| Filing Date (herewith) <b>2-13-2001</b> | Group: <del>(unassigned)</del> <b>1624</b> |

| U.S. PATENT DOCUMENTS |                 |      |      |       |           |                            |
|-----------------------|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |                 |      |         |       |           |                       |
|--------------------------|-----------------|------|---------|-------|-----------|-----------------------|
|                          | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |                 |      |         |       |           |                       |
|                          |                 |      |         |       |           |                       |
|                          |                 |      |         |       |           |                       |
|                          |                 |      |         |       |           |                       |
|                          |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |   |
|---|---|
|   | Nikolaenkova E.B. et al., "Synthesis of 4,6-Bis(1H-1,2,3-Triazolyl)Pyrimidines by the Reaction of 4,6-Diazido-2-(4-Methoxyphenyl)-Pyrimidine with Compounds Containing a Reactive Methylene Group," <i>Chemistry of Heterocyclic Compounds</i> 33(8):968-972 (1998) |
|   | Mülsch, Alexander et al., "Purification of Heme-Containing Soluble Guanylyl Cyclase," <i>Methods in Enzymology</i> 195:377-383 (1991)   |
|   | Ko, Feng-Nien et al., "YC-1, a Novel Activator of Platelet Guanylate Cyclase," <i>Blood</i> 84(12):4226-4233 (1994)   |
| Examiner  | Date Considered <b>2-12-2001</b>  |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |

Form PTO 1449
Patent and Trademark Office - U.S. Department of Commerce



OMB No. 0651-0011  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Page 1 of 5

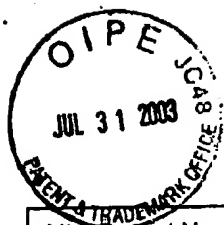
|                  |                  |            |              |   |
|------------------|------------------|------------|--------------|---|
| Atty. Docket No. | 02481-1734-00    | Serial No. | (unassigned) | <b>RECEIVED</b><br>AUG 04 2003<br>TECH CENTER 1600/2900 |
| Applicants       | Schindler et al. |            |              |   |
| Filing Date      | (herewith)       | Group:     | (unassigned) |   |

| U.S. PATENT DOCUMENTS |                 |          |                  |       |           |                            |  |
|-----------------------|-----------------|----------|------------------|-------|-----------|----------------------------|--|
| Examiner Initial*     | Document Number | Date     | Name             | Class | Sub Class | Filing Date If Appropriate |  |
|                       | 4,493,726       | 01/15/85 | K. Burdeska      |       |           |                            |  |
|                       | 6,162,819       | 12/19/01 | Schindler et al. |       |           |                            |  |
|                       |                 |          |                  |       |           |                            |  |
|                       |                 |          |                  |       |           |                            |  |
|                       |                 |          |                  |       |           |                            |  |

| FOREIGN PATENT DOCUMENTS |          |         |       |           |                       |  |  |
|--------------------------|----------|---------|-------|-----------|-----------------------|--|--|
| Document Number          | Date     | Country | Class | Sub Class | Translation Yes or No |  |  |
| EP 0 136 976 A2          | 04/10/85 | EPO     |       |           | Abstract              |  |  |
| WO 98/37079              | 08/27/98 | PCT     |       |           |                       |  |  |
| 06-192252                | 07/12/94 | Japan   |       |           | Abstract              |  |  |
| EP 0 908 456A1           | 04/14/99 | EPO     |       |           |                       |  |  |
| EP 0 555 478A1           | 08/18/93 | EPO     |       |           |                       |  |  |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)   |  |
|--|--|
| Yu, S-M., et al., "Vasorelaxant Effect of Isoliquiritigenin, a Novel Soluble Guanylate Cyclase Activator, in Rat Aorta," <i>British Journal of Pharmacology</i> 114:1587-1594 (1995)           |  |
| Yu, S-M., et al., "Mechanism of Anti-Proliferation Caused by YC-1, an Indazole Derivative, in Cultured Rat A10 Vascular Smooth-Muscle Cells," <i>Biochem. J.</i> 306:787-792 (1995)            |  |
| Wu, Chin-Chung et al., "YC-1 Inhibited Human Platelet Aggregation Through NO-Independent Activation of Soluble Guanylate Cyclase," <i>British Journal of Pharmacology</i> 116:1973-1978 (1995) |  |

|   |   |
|---|---|
| Examiner  | Date Considered   |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |
| Form PTO 1449   | Patent and Trademark Office - U.S. Department of Commerce |



OMB No. 0651-0011  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Page 2 of 5

RECEIVED

AUG 04 2003

TECH CENTER 1600/2900

|                  |                  |            |              |
|------------------|------------------|------------|--------------|
| Atty. Docket No. | 02481-1734-00    | Serial No. | (unassigned) |
| Applicants       | Schindler et al. |            |              |
| Filing Date      | (herewith)       | Group:     | (unassigned) |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                            |
|-----------------------|--|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |  |                 |          |         |       |           |                       |
|--------------------------|--|-----------------|----------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date     | Country | Class | Sub Class | Translation Yes or No |
|                          |  | EP 0 055 693    | 12/23/80 | EPO     |       |           |                       |
|                          |  | DE 4034762 A1   | 05/07/92 | Germany |       |           | No                    |
|                          |  | DE 19756388 A1  | 06/25/99 | Germany |       |           | No                    |
|                          |  | DE 19744027 A1  | 04/08/99 | Germany |       |           | No                    |
|                          |  |                 |          |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |
|--|--|
|  | Vesely, David L., "Phencyclidine Stimulates Guanylate Cyclase Activity," <i>Biochemical and Biophysical Research Communications</i> 88(4):1244-1248 (1979)   |
|  | Vesely, D.L., et al., "B Complex Vitamins Activate Rat Guanylate Cyclase and Increase Cyclic GMP Levels," <i>European Journal of Clinical Investigation</i> 15:258-262 (1985)  |
|  | Pettibone, D.J., et al., "A Structurally Novel Stimulator of Guanylate Cyclase with Long-Lasting Hypotensive Activity in the Dog," <i>European Journal of Pharmacology</i> 116:307-312 (1985)                                  |
| Examiner   | Date Considered  |
| *Examiner:   | Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |
| Form PTO 1449  |  |
| Patent and Trademark Office - U.S. Department of Commerce              |  |



OMB No. 0651-0011  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Page 3 of 5

|                                |                         |                       |
|--------------------------------|-------------------------|-----------------------|
| Atty. Docket No. 02481-1734-00 | Serial No. (unassigned) | <b>RECEIVED</b>       |
| Applicants Schindler et al.    |                         | AUG 04 2003           |
| Filing Date (herewith)         | Group: (unassigned)     | TECH CENTER 1600/2900 |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                            |
|-----------------------|--|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |                       |
|--------------------------|--|-----------------|------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |   |
|---|---|
|   | Nikolaenkova E.B. et al., "Synthesis of 4,6-Bis(1H-1,2,3-Triazolyl)Pyrimidines by the Reaction of 4,6-Diazido-2-(4-Methoxyphenyl)-Pyrimidine with Compounds Containing a Reactive Methylene Group," <i>Chemistry of Heterocyclic Compounds</i> 33(8):968-972 (1998) |
|   | Mülsch, Alexander et al., "Purification of Heme-Containing Soluble Guanylyl Cyclase," <i>Methods in Enzymology</i> 195:377-383 (1991)   |
|   | Ko, Feng-Nien et al., "YC-1, a Novel Activator of Platelet Guanylate Cyclase," <i>Blood</i> 84(12):4226-4233 (1994)   |
| Examiner  | Date Considered   |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |
| Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce   |   |





OMB No. 0651-0011  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Page 4 of 5

|                                |                         |   |
|--------------------------------|-------------------------|---|
| Atty. Docket No. 02481-1734-00 | Serial No. (unassigned) | <b>RECEIVED</b><br>AUG 04 2003<br>TECH CENTER 1600/2900 |
| Applicants Schindler et al.    |                         |   |
| Filing Date (herewith)         | Group: (unassigned)     |   |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                           |
|-----------------------|--|-----------------|------|------|-------|-----------|---------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Dat If Appropriate |
|                       |  |                 |      |      |       |           |                           |
|                       |  |                 |      |      |       |           |                           |
|                       |  |                 |      |      |       |           |                           |
|                       |  |                 |      |      |       |           |                           |
|                       |  |                 |      |      |       |           |                           |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |                       |
|--------------------------|--|-----------------|------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |  |
|---|--|
|   | Ignarro, Louis J., "Regulation of Cytosolic Guanylyl Cyclase by Porphyrins and Metalloporphyrins," <i>Advances in Pharmacology</i> 26:35-65 (1994) |
|   | Abstract for Japanese Patent No. 06192252, Ito Yoichi, "Pyrazine Derivative and Herbicide", Patent Abstracts of Japan.                             |
|   | Abstract for EP Patent No. EP0136976, Seiler Alfred et al., "Use of Phenyl Pyrimidines as Plant Regulators", esp@cenet database.                   |
| Examiner  | Date Considered  |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |

|               |   |
|---------------|---|
| Form PTO 1449 | Patent and Trademark Office - U.S. Department of Commerce |
|---------------|---|



OMB No. 0651-0011  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Page 5 of 5

|                  |                  |            |              |
|------------------|------------------|------------|--------------|
| Atty. Docket No. | 02481-1734-00    | Serial No. | (unassigned) |
| Applicants       | Schindler et al. |            |              |
| Filing Date      | (herewith)       | Group:     | (unassigned) |

| U.S. PATENT DOCUMENTS |                 |      |      |       |           |                            |
|-----------------------|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |
|                       |                 |      |      |       |           |                            |

RECEIVED

AUG 04 2003

TECH CENTER 1600/2900

| FOREIGN PATENT DOCUMENTS |      |         |       |           |                       |  |
|--------------------------|------|---------|-------|-----------|-----------------------|--|
| Document Number          | Date | Country | Class | Sub Class | Translation Yes or No |  |
|                          |      |         |       |           |                       |  |
|                          |      |         |       |           |                       |  |
|                          |      |         |       |           |                       |  |
|                          |      |         |       |           |                       |  |
|                          |      |         |       |           |                       |  |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |   |
|---|---|
|   | Abstract for German Patent No. DE 19744027 A1, Schindler et al., "New Pyrazolo(3,4-b)pyridine Derivatives Useful as cGMP Agonists", Derwent WPI database.   |
|   | Abstract for German Patent No. DE 4034762 A, Braun et al., "Pyridyl Pyrimidine Derivs. - are Fungicides for Plant Protection and for Protecting and Preserving Industrial Materials", Derwent WPI database.                         |
|   | Abstract for German Patent No. DE 19756388 A, Schindler et al., "New 2-aryl-4-amino-6,7-dimethoxy-quinazoline Derivatives Useful as Guanylate Cyclase Activators for Treating Cardiovascular Diseases, etc.", Derwent WPI database. |
| Examiner  | Date Considered   |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |
| Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce   |   |



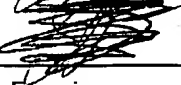
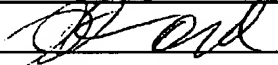
OMB No. 0651-0011  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Page 4 of 5

|                  |                             |            |                               |
|------------------|-----------------------------|------------|-------------------------------|
| Atty. Docket No. | 02481-1734-00               | Serial No. | (unassigned) <b>09/762893</b> |
| Applicants       | Schindler et al.            |            |                               |
| Filing Date      | (herewith) <b>2-13-2001</b> | Group:     | (unassigned) <b>1624</b>      |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                            |
|-----------------------|--|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |                       |
|--------------------------|--|-----------------|------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |  |
|---|--|
|    | Ignarro, Louis J., "Regulation of Cytosolic Guanylyl Cyclase by Porphyrins and Metalloporphyrins," <i>Advances in Pharmacology</i> 26:35-65 (1994) |
|    | Abstract for Japanese Patent No. 06192252, Ito Yoichi, "Pyrazine Derivative and Herbicide", Patent Abstracts of Japan. <b>No date</b>              |
|    | Abstract for EP Patent No. EP0136976, Seiler, Alfred et al., "Use of Phenyl Pyrimidines as Plant Regulators", esp@cenet database. <b>No date</b>   |
| Examiner   | Date Considered <b>2-9-2001</b>  |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |
| Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce   |  |

OMB No. 0651-0011


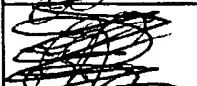

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Page 5 of 5

|                  |                  |            |                               |
|------------------|------------------|------------|-------------------------------|
| Atty. Docket No. | 02481-1734-00    | Serial No. | (unassigned) <b>09/762893</b> |
| Applicants       | Schindler et al. |            |                               |
| Filing Date      | (herewith)       | Group:     | (unassigned) <b>1624</b>      |

| U.S. PATENT DOCUMENTS |  |                 |      |      |       |           |                            |
|-----------------------|--|-----------------|------|------|-------|-----------|----------------------------|
| Examiner Initial*     |  | Document Number | Date | Name | Class | Sub Class | Filing Date If Appropriate |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |
|                       |  |                 |      |      |       |           |                            |

| FOREIGN PATENT DOCUMENTS |  |                 |      |         |       |           |                       |
|--------------------------|--|-----------------|------|---------|-------|-----------|-----------------------|
|                          |  | Document Number | Date | Country | Class | Sub Class | Translation Yes or No |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |
|                          |  |                 |      |         |       |           |                       |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)             |  |
|--|--|
|  | Abstract for German Patent No. DE 19744027 A1, Schindler et al., "New Pyrazolo(3,4-b)pyridine Derivatives Useful as cGMP Agonists", Derwent WPI database. <b>No date</b>   |
|  | Abstract for German Patent No. DE 4034762 A, Braun et al., "Pyridyl Pyrimidine Derivs. are Fungicides for Plant Protection and for Protecting and Preserving Industrial Materials", Derwent WPI database. <b>No date</b>                           |
|  | Abstract for German Patent No. DE 19756388 A, Schindler et al., "New 2-aryl-4-amino-6,7-dimethoxy-quinazoline Derivatives Useful as Guanylate Cyclase Activators for Treating Cardiovascular Diseases, etc.", Derwent WPI database. <b>No date</b> |
| Examiner   | Date Considered <b>7-9-2001</b>  |

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce